



ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DUKE, STEIN, ROBERTS  
CLUB

We James W. Thackeray; Angelo A. Lamola

and

for good and valuable consideration from Shipley Company Inc.

, a Massachusetts corporation,  
having its principal place of business in Newton, Massachusetts,  
hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby  
sell, assign and transfer unto the Assignee, its successors and assigns, the entire  
right, title and interest in, to and under an application for Letters Patent of the  
United States Serial No.                      \* signed by us  
for Improvements in Radiation Sensitive Compositions and Methods

including all priority rights ensuing therefrom, and the inventions and any of them  
therein set forth and described, and any and all Letters Patent of the United States  
and of countries foreign thereto which may be granted thereon or therefor, together  
with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,  
its successors or assigns, to execute and deliver without further compensation any  
power of attorney, assignment, application, whether original, divisional, continuation  
or reissue, or other papers which may be necessary or desirable fully to secure to the  
Assignee, its successors and assigns, the inventions and any of them described in said  
application and all patent rights therein, in the United States and in any country  
foreign thereto.

IN WITNESS WHEREOF, I, James W. Thackeray, hereunto set my  
hand and seal this 7<sup>th</sup> day of November, 1991, I, Angelo A. Lamola  
, hereunto set my hand and seal this 25<sup>th</sup> day of November  
1991, and I,                     , hereunto set my hand and seal  
this                      day of                     , 19  .

James W. Thackeray

James W. Thackeray

Angelo A. Lamola

Angelo A. Lamola

Commonwealth [State] of MASSACHUSETTS  
County of Middlesex ss.

Before me this 7<sup>th</sup> day of November, 1991, personally appeared  
James W. Thackeray, who is to me personally known, and acknowledged  
the foregoing instrument of assignment to be [her] his free act and deed.

Constance L. Scammon  
Notary Public

Commonwealth [State] of Massachusetts  
County of Middlesex ss.

Before me this 25<sup>th</sup> day of November, 1991, personally appeared  
                    , who is to me personally known, and acknowledged  
the foregoing instrument of assignment to be [her] his free act and deed.

Barbara R. Pearce  
Notary Public

Commonwealth [State] of                       
County of                      ss.

Before me this                      day of                     , 19  , personally appeared  
                    , who is to me personally known, and acknowledged  
the foregoing instrument of assignment to be [her] his free act and deed.

RECORDED  
PATENT AND TRADEMARK  
OFFICE

Notary Public

DEC -6 1991

REEL 5933 FRAME 782

\*Where the application is assigned before it is filed,  
and hence has no Serial No., this shall be left blank.



8-518

1

Docket No. 39451

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

☒ In re application of: J. Thackeray et al.  
Serial No.: 07 / 778,729      Group No.  
Filed:      Octobe 17, 1991      Examiner:  
For\*:      RADIATION SENSITIVE COMPOSITIONS AND METHODS

☐ Patent:      Issued:

\*NOTE: Insert name(s) of inventor(s) and title also for patent. Where recordal is with respect to a maintenance fee payment also insert application serial number and filing date and add Box M. Fee to address.

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

RECORDAL OF ASSIGNMENT (37 CFR 1.331)

1. Kindly record the enclosed assignment for the above identified  
☒ application  
☐ patent
2. When recordal has been effected, please return the original assignment document to the undersigned.
3. Change of patent maintenance fee address

(complete if applicable)

- ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees for the patent listed above is being sent separately.

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Susan M. Ferrini

(Type or print name of person mailing paper)

Date December 4, 1991

Susan M Ferrini

(Signature of person mailing paper)

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66 MC 12/13/91 07778777

1 317

6.00

REEL 5933 FRAME 780

(Recordal of Assignment [16-5])

4. Fee Payment (37 CFR 1.21(h))

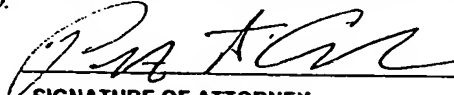
☒ Attached is a check in the sum of \$8.00.

☐ Charge Account No. \_\_\_\_\_ the sum of \$8.00. A duplicate of this recordal request is attached.

NOTE: 37 CFR 1.21(h). For recording each assignment, agreement or other paper relating to the property in a patent or application, per property, \$8.00.

Tel. No. (617 ) 523-3400

Reg. No. 33,860

  
\_\_\_\_\_  
SIGNATURE OF ATTORNEY  
\_\_\_\_\_  
Peter F. Corless  
Type or print name of attorney  
\_\_\_\_\_  
130 Water Street  
P.O. Address  
\_\_\_\_\_  
Boston, MA 02109  
\_\_\_\_\_

REEL 5933 FRAME 781

DIKE, BRONSTEIN, ROBERTS &  
CUSHMAN  
130 Water Street  
Boston  
Massachusetts 02109

DECLARATION  
AND POWER OF ATTORNEY  
Original Application

ATTORNEY'S DOCKET NO: (If Any)

39451

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed at 201 below) or an original, first and joint inventor (if plural names are listed at 201-203 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

RADIATION SENSITIVE COMPOSITIONS AND METHODS

which is described and claimed in:

( ) the attached specification or

☒ the specification in application Serial No. filed October 17, 1991  
(for declaration not accompanying application)

And was amended on if applicable

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION			
COUNTRY	APPLICATION	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES NO
			YES NO
ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION			

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (Patented, pending, abandoned)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Sevall P. Bronstein (Reg. No. 16919)	David G. Conlin (Reg. No. 27026)	Ernest V. Linch (Reg. No. 29822)
Donald Brown (Reg. No. 20845)	George W. Neuner (Reg. No. 26964)	Linda M. Buckley (Reg. No. 31003)
Robert L. Goldberg (Reg. No. 22456)	Robert M. Asher (Reg. No. 30445)	Ronald I. Eisenstein (Reg. No. 30628)
Robert F. O'Connell (Reg. No. 19817)	Gregory D. Williams (Reg. No. 30901)	Peter F. Corless (33860)

SEND CORRESPONDENCE TO:  
Robert L. Goldberg  
Dike, Bronstein, Roberts & Cushman  
130 Water Street  
Boston, Massachusetts 02109

DIRECT TELEPHONE CALLS TO:  
(name and telephone number)

Robert L. Goldberg  
617-244-4990

201	FULL NAME OF INVENTOR	LAST NAME Thackeray	FIRST NAME James	MIDDLE NAME W.
	RESIDENCE & CITIZENSHIP	CITY Braintree	STATE OR FOREIGN COUNTRY Massachusetts	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 45 Ash Street	CITY Braintree	STATE OR COUNTRY Massachusetts
202	FULL NAME OF INVENTOR	LAST NAME Lamola	FIRST NAME Angelo	MIDDLE NAME A.
	RESIDENCE & CITIZENSHIP	CITY Sudbury	STATE OR FOREIGN COUNTRY Massachusetts	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 9 Marlboro Road	CITY Sudbury	STATE OR COUNTRY Massachusetts
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE OF INVENTOR 201 <i>James W. Thackeray</i>	SIGNATURE OF INVENTOR 202 <i>Angelo Lamola</i>	SIGNATURE OF INVENTOR 203
DATE 11.8.91	DATE 11/20/91	DATE

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE